

### Recipient of the prestige 2013 "Rising Star Award"

Owing to MIPRO's outstanding performance in international sales, product innovation and development and branding achievement, MIPRO won the prestige 2013 "Rising Star Award" from Taiwan's Ministry of Economic Affairs in addition to "National Invention & Creation Award" in 2012 and "First Brand" & "Gold Medal Quality Products" awards in 2011.



**MIPRO**<sup>®</sup>  
MICROPHONE PROFESSIONALS

Wireless PA Systems

**2014**  
General Catalog

## Technology and Artistic Creation



**MIPRO**<sup>®</sup>  
MICROPHONE PROFESSIONALS

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# Company Profile

MIPRO was founded in 1995 in Chiayi, Taiwan by founder K. C. Chang. Solomon Chang is the company president and leads a team of 200 employees in developing and manufacturing wireless microphone and wireless PA systems. Our motto is "innovation, quality and satisfied users".

A US\$10 million corporate headquarters was built in 1996 and is housed in a modern, 5,000-square-meter production and office facility. This modern facility is ISO-9001 certified by German TÜV and implemented quality assurance and efficient computerized production management systems.

Thanks to continued sales growth, size of headquarters was expanded twice to 13,000 square meters by 2006. Furthermore, adjacent land and buildings were purchased to anticipate future sales growth and expansion needs. Today, total corporate headquarters covers an area of more than 14,000 square meters.

MIPRO specializes in designing and manufacturing professional wireless microphone systems. Founder named the company "MIPRO" which derived from the words "Microphone Professionals". Products are marketed in 80 countries globally. Gary Kaye, A/V consultant & educator, stated MIPRO is "Top Five New Companies to Watch".



Corporate Headquarters



Solomon Chang, president



K. C. Chang, CEO



R & D

After 18 years of steady growth, MIPRO is well known for innovative design products and has won Taiwan Excellence award and often nominated in the TEC awards' Wireless Technology category. Recently, MIPRO has won the "National Invention and Creation Award" and "Rising Star Award" from Taiwan's Ministry of Economic Affairs. MIPRO president, Solomon Chang, won the "National Executive Manager Award".

MIPRO's mission is "to develop best wireless microphone products and to create a world-class brand in the wireless microphone industry."



Rising Star Award



National Invention & Creation Award



National Executive Manager Award



First Brand



Taiwan Gold Medal Quality Product



TEC AWARD

# Personal Wireless PA Systems

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# Personal Wireless PA Systems

## MA-100SB Single-Channel Personal Wireless PA System



Patents :  
Taiwan Utility M409663, M409662  
Design D143790, D143791  
China Utility ZL201120076295.2, ZL201120076293.3  
Design ZL201130046607.0, ZL201130046594.7  
U.S. Design D653238  
Design D651596

## MA-100DB Dual-Channel Personal Wireless PA System

### Controls and Indicators

**NEW**



# Personal Wireless PA Systems

### Profile

MA-100 is an all new, ultra compact and ultra light wireless PA system. The MA-100 is powerful and offers a vast array of features in an easy-to-use package. It can be easily carried via the padded shoulder strap, built-in handle, or mounted on a microphone stand. It is an excellent public address solution for small crowds.

### Features

1. Rugged yet lightweight one-piece molded cabinet.
2. Built-in 1 or 2 wireless receivers with 16 auto-scannable frequencies.
3. Built-in USB music player & recorder with LCD screen.
4. Built-in one-button alarm/siren for warning of threats.
5. User-friendly control panel provides intuitive easy operation.
6. High efficiency class-D amplifier drives full-range speaker.
7. AC and lithium rechargeable battery operation.
8. Switching power supply efficiently provides a regulated output voltage.
9. Available in black or white color.

### Ideal Applications

- School classrooms
- Places of worship
- Presentations, seminars and meetings
- Day-care activities; playground duty
- Indoor/outdoor gatherings
- Tour guides & paging
- Fire fighters, law enforcement, search & rescue squads
- Street performers
- Factory and company tours

### Specifications

Model	MA-100SB	MA-100DB
	Portable PA	
Max. Power Output	50 Watts	
Amplifier	Class D	
Sensitivity	Typical: 90 dB   Maximum: 102 dB	
T.H.D.	< 1%	
Frequency Response	50 Hz~18 kHz	
Loudspeaker	5 " full-range, high efficiency	
Audio Inputs	Wired	6.3 mm (1/4 ") optional MM-107 microphone
	Line-In	3.5 mm (1/8 ")
Audio Output	3.5 mm (1/8 ")	
Installation	Microphone stand, table mounted, shoulder belt	
Power Supply	AC	External 100~240V AC switching power supply
	DC & Battery	Built-in 14.8V/2.6AH rechargeable lithium battery
Charge Time	Up to 4 hours (automatic charging management)	
Standby Time	Up to 12 hours	Up to 10 hours
Battery Indicator	4-level indicator (25/50/75/100%)	
Dimensions (W × H × D)	135 × 140 × 240 mm (5.3 × 5.5 × 9.4 ")	
Weight (battery included)	Approx.1.8 kg (3.9 lbs)	Approx.1.9 kg (4.1 lbs)
Color	Black or white option	
	Wireless System	
Receiver Channel	Single	Dual
Frequency Range	480~934 MHz (country dependent)	
Bandwidth	24 MHz	
Preset Channels	16	
Channel Set-up	Scan & ACT sync	
Transmitter	ACT-32H Handheld   ACT-32T Bodypack	
Antenna	Built-in	
	Digital Audio Player	
Built-in 2.0 USB Port	Yes	
Play & Record	Yes	
Operation	On-board. USB remote control included.	
Patents & Approvals	Patented. Telecom and safety regulations approved.	
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.	



MA-101B Personal Wireless PA System **NEW**

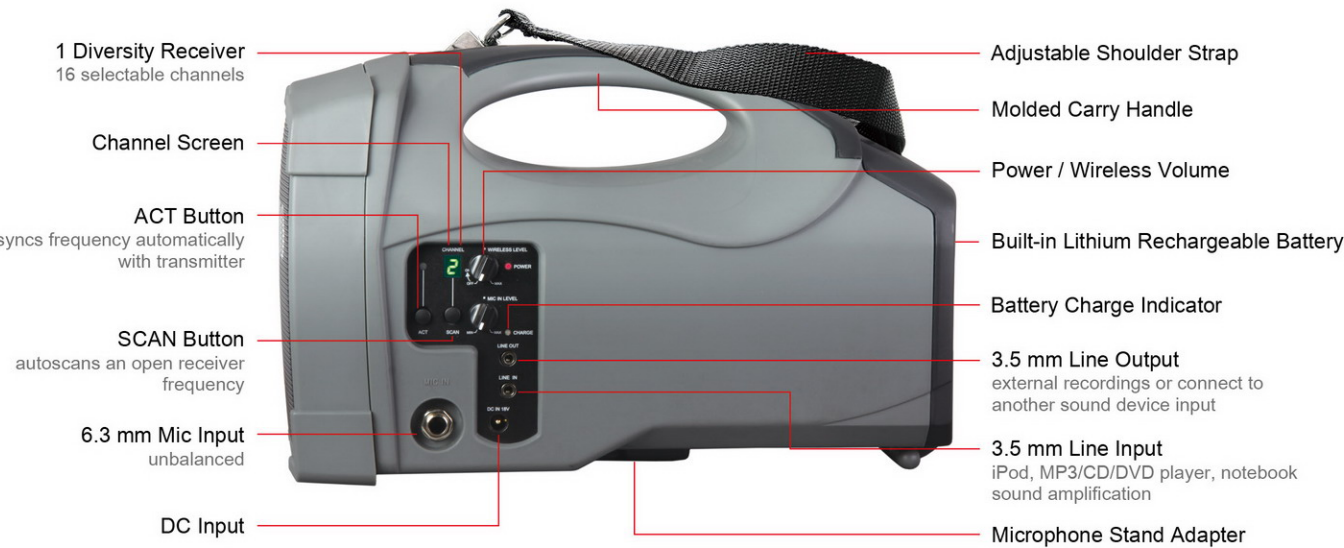


Transmitters



ACT-32H      ACT-32T

Controls and Indicators



Profile

For over 17 years, MA-101 has been mass-produced and it remains a market-leading system as MIPRO ensures product design, craftsmanship and reliability are second to none. Now, a new model MA-101B is introduced and upgraded to rechargeable lithium battery from sealed lead-acid battery for improved reliability, longer life and reduced weight. Grayish black color design for product differentiation.

Lightweight, robust and battery operated, this popular system is simple to use and can be easily carried via the built-in handle, on a shoulder strap, or mounted on a microphone stand. Perfect PA for a small crowds.

Features

- 1. Lightweight, contoured and ultra portable design.
- 2. Up to 10 hours of standby time per 4-hour charge.
- 3. Built-in wireless receiver with 16 auto-scannable frequencies.
- 4. 3.5mm line input accepts external MP3, iPod and CD player.
- 5. AC and lithium rechargeable battery operation.
- 6. Powerful and crystal-clear sound projection thanks to high efficiency amplifier drives a full-range speaker.

Ideal Applications

- School classrooms
- Places of worship
- Presentations, seminars and meetings
- Day-care activities; playground duty
- Indoor/outdoor gatherings
- Tour guides & paging
- Fire fighters, law enforcement, search & rescue
- Street performers
- Factory or company tours

Specifications

Portable PA		
Max. Power Output		45 Watts
Amplifier		Class AB
Sensitivity		Typical: 95 dB   Maximum: 107 dB
T.H.D.		< 1%
Frequency Response		60 Hz~15 kHz
Loudspeaker		5 " full-range, high efficiency
Audio Inputs	Wired	6.3 mm (1/4 ") optional MM-107 microphone
	Line-In	3.5 mm (1/8 ")
Audio Output		3.5 mm (1/8 ")
Installation		Microphone stand, table mounted, shoulder belt
Power Supply	AC	External 100~240V AC switching power supply
	DC & Battery	Built-in 14.8V/2.6AH rechargeable lithium battery (MB-25)
Charge Time		Up to 4 hours (automatic charging management)
Standby Time		Up to 10 hours
Battery Indicator		Single LED indicator
Color		Grayish Black
Dimensions (W × H × D)		160 × 178 × 285 mm (6.3 × 7 × 11.2 ")
Weight (battery included)		Approx. 2.2 kg (4.8 lbs)
Wireless System		
Receiver Channel		Single
Frequency Range		480~934 MHz (country dependent)
Bandwidth		24 MHz
Preset Channels		16
Channel Set-up		Scan & ACT sync
Transmitter		ACT-32H Handheld   ACT-32T Bodypack
Antenna		Built-in
Patents & Approvals		Patented. Telecom and safety regulations approved.
Notes		Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.



MA-202B Personal Wireless PA System NEW

Transmitters



Patents : Taiwan Utility M339173、M339174 Design D126294

Controls and Indicators



Profile

MA-202B is the flagship of personal wireless PA systems. This powerful system boasts versatile feature such as built-in convenient storage compartment and battery charger for ACT-222T handheld transmitter microphone. Lightweight, robust and battery operated, it is an ideal public address solution for small to medium crowds.

MA-202B Features

- 1. Culmination of personal wireless PA designs.
- 2. Powerful and crystal-clear sound projection.
- 3. High efficiency class-D amplifier drives 2-way loudspeakers with level limiter.
- 4. Built-in wireless receiver with 16 auto-scannable frequencies.
- 5. One-touch Scan & ACT sync buttons for fast and easy channel set-up.
- 6. AC and lithium rechargeable battery operation.
- 7. Up to 8-hour of stand-by time per 4-hour full charge.
- 8. USB & SD music player with LCD screen and individual volume controls.
- 9. Optional ACT-32H handheld transmitter for improved sound quality.
- 10. Convenient storage compartment and battery charger for ACT-222T handheld microphone.
- 11. 4-segment battery meter for accurate MA-202B battery readings and charging status.
- 12. 3-segment battery meter for accurate ACT-222T battery readings and charging status.
- 13. Receiver volume can be adjusted by MA-202B volume control or wirelessly via ACT-222T.

ACT-222T Features

- 1. Compact, lightweight and easy to use.
- 2. Quality condenser microphone ensures loud and clear vocal quality.
- 3. Level control allows wireless volume adjustment.
- 4. Can be hand-held or worn as a neck lanyard for hands-free operation.
- 5. Can be re-charged and stored inside the MA-202B.
- 6. Amazing 24 operating hours per charge.

Ideal Applications

- School classrooms
- Places of worship
- Presentations, seminars and meetings
- Day-care activities; playground duty
- Tour guides & paging
- Fire fighters, law enforcement, search & rescue
- Street performers
- Factory or company tours

MA-202B Specifications

Portable PA		
Max. Power Output	56 Watts	
Amplifier	Class D	
Sensitivity	Typical: 96 dB   Maximum: 105 dB	
T.H.D.	< 1 %	
Frequency Response	50 Hz~18 kHz	
Loudspeaker	1 " Tweeter and 5 " Woofer	
Audio Input	Wired	6.3 mm (1/4 ")
	Wireless	Single-Channel
	Digital Player	USB 2.0 and SD Card Reader
	Line-In	6.3 mm (1/4 ")
Volume Control	Wired, Wireless, Line-in & Digital Player	
Installation	Microphone stand, table mounted, shoulder belt	
Power Supply	External 100~240V AC switching power supply. Built-in 14.8V/2.6AH rechargeable lithium battery (MB-25)	
Charge Time	Up to 4 hours	
Standby Time	Up to 8 hours	
Battery Indicator	4-level indicator (25/50/75/100%)	
Color	Black	
Dimensions (W × H × D)	163 × 206 × 306 mm (6.4 × 8.1 × 12 ")	
Weight (battery included)	Approx. 3.1 kg (6.8 lbs)	
Wireless System		
Receiver	Single-Channel with Scan and ACT Sync	
Frequency Range	480~934 MHz (country dependent)	
Bandwidth	24 MHz	
Preset Channels	16	
Antenna	Built-in	
Transmitter	ACT-222T   Optional ACT-32H	
Digital Audio Player		
Player	Built-in USB 2.0 port and SD Card reader	
Patents & Approvals	Patented. Telecom and safety regulations approved.	
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with regulations of different countries.	

ACT-222T Specifications

Oscillation	PLL Synthesized
Frequency Range	480~934 MHz (country dependent)
Channel Set-Up	ACT Sync
Power Output	10~30 mW (country dependent)
Spurious Emissions	< -55dBc
Key Feature	Built-in volume level control
Battery	Rechargeable lithium battery
Charge Time	Up to 6 hours
Operating Time	Up to 24 hours
Dimensions (W × H × D)	182 × 42 × 32 mm (7.1 × 1.6 × 1.3 ")
Weight	Approx. 128 g (4.5 oz), battery included
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.



## MA-101ACT Wireless Classroom PA System

Patents : Taiwan Design 86791    China Design ZL02350861.2



### Optional Accessories

### Profile

The system is designed so that each teacher can carry their own personal wireless microphone from classroom to classroom. When they enter a new class, they can sync to the MA-101ACT installed in that classroom and they system is ready to use.

The wireless microphone can be handheld or worn around neck. It allows the teacher to remotely turn the system on & off as well as to adjust the volume wirelessly. An external audio source such as iPod, MP3, CD, DVD or PC can also be connected to the same wireless microphone and heard through the speaker system. A drop-in charger (MP-101ACT) ensures the microphone is always charged and ready to use.

### Features

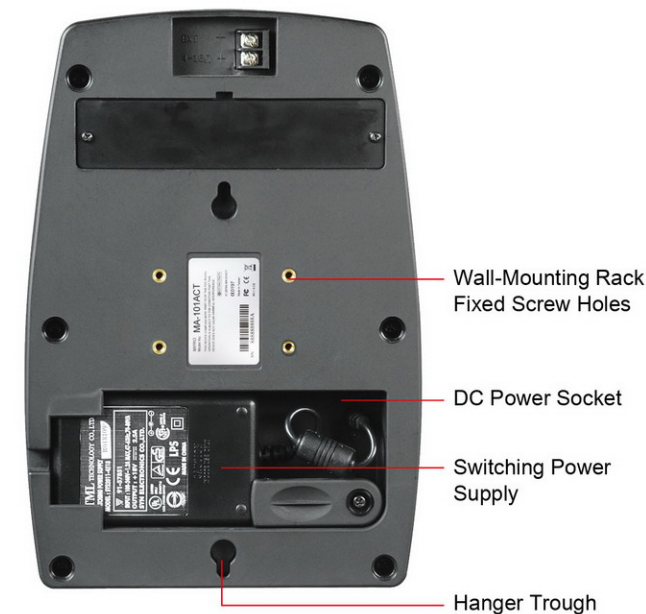
1. Powerful 45 watts output.
2. Easy speaker mounting to wall or ceiling.
3. Featuring Industry's only all-in-one, versatile MT-101ACT transmitter microphone.
4. Compact, ultra-lightweight and powered via rechargeable or disposable alkaline batteries.
5. Same MT-101ACT transmitter microphone can be used in up to 97 different rooms.
6. Power on/off and volume loudness can be wirelessly remote controlled.
7. MT-101ACT can be a handheld or worn as a neck lanyard for hands-free operation with an optional external headset microphone.
8. Built-in 3.5mm mini-jack line-input (mono) accepts CD/iPod/MP3 player/tape/mini-disc/computer for amplification.
9. 24 operating hours per fast charge.

### Ideal Applications

- Multiple classrooms
- Multiple meeting rooms
- Tours for factories, companies, theme parks, zoos



### MA-101ACT Back Panel



### MT-101ACT Controls and Indicators







### Specifications

Max. Power Output	45 Watts
Sensitivity	Typical: 94 dB   Maximum: 103 dB
T.H.D.	< 1%
Frequency Response	60 Hz~15 kHz
Loudspeaker	5 " full-range high efficiency
Power Supply	Built-in 100~240V AC detachable switching power supply
Dimensions (W x H x D)	190 x 275 x 155 mm (7.5 x 10.8 x 6.1 ")
Weight	Approx. 2.3 kg (5 lbs)
Color	Black
Wireless System	
Frequency Range	480~934 MHz (country dependent)
Receiver Channel	Each swappable module has 97 UHF selectable frequencies
Transmitter	MT-101ACT
Audio Inputs	MT-101ACT accepts 3.5 mm Mic or Line audio input
Transmitter Battery	Detachable rechargeable battery & charger attached
Charge Time	Up to 3 hours
Operating Time	Up to 24 hours
Antenna	Built-in
Approvals	Patented. Telecom and safety regulations approved.
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.



# Personal Wireless PA Systems

## Model Comparison Chart

Model	MA-100SB	MA-100DB	MA-101B	MA-202B
				
Max. Power Output	50 Watts		45 Watts	56 Watts
Amplifier	Class D		Class AB	Class D
Sensitivity	Typical: 90 dB Maximum: 102 dB		Typical: 95 dB Maximum: 107 dB	Typical: 96 dB Maximum: 105 dB
T.H.D.	< 1%			
Speaker	5 " Full-Range			1 " Tweeter 5 " Woofer
Power Supply	External 100~240V AC switching power supply			
Built-In Battery	Lithium MB-10 x 1		Lithium MB-25 x 1	
Charge Time	Up to 4 hours			
Standby Time	Up to 12 hours	Up to 10 hours	Up to 10 hours	Up to 8 hours
Battery Indicator	4-level Indicator		Single Indicator	3-level Mic & 4-level Amp Indicators
Line-In	3.5 mm (1/8 ")			6.3 mm (1/4 ")
Line-Out	3.5 mm (1/8 ")			N/A
Mic-In	6.3 mm (1/4 ") × 1			
Installation	Shoulder Strap, Hand Carry , Flat Surface or Microphone Stand			
Tripod Stand	MS-30			
Storage Compartment	N/A			ACT-222T Handheld
Storage Cover	SC-10			SC-20
Dimensions (W × H × D)	135 × 140 × 240 mm (5.3 × 5.5 × 9.4 ")		160 × 178 × 285 mm (6.3 × 7 × 11.2 ")	163 × 206 × 306 mm (6.4 × 8.1 × 12 ")
Approx. Weight (battery included)	1.8 kg (3.9 lbs)	1.9 kg (4.1 lbs)	2.2 kg (4.8 lbs)	3.1 kg (6.8 lbs)
Color	Black, optional White		Grayish Black	Black
Wireless System				
Maximum Receiver	1	2	1	
Receiver Installation	Built-in Fixed			
Preset Channels	16			
Channel Set-Up	Scan & Sync (ACT)			
Transmitter	ACT-32H Handheld ACT-32T Bodypack			ACT-222T ACT-32H   ACT-32T
Frequency Range	480~934 MHz (country dependent)			
Bandwidth	24 MHz			
Digital Audio Player				
Built-in USB Port	Yes		N/A	Yes
Digital Audio Player	USB Player & Recorder		N/A	USB Player & SD card reader

# Portable Wireless PA Systems

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# Portable Wireless PA Systems

# Portable Wireless PA Systems

## MA-303SB Single-Channel Portable Wireless PA System

Patents : Taiwan Utility M339174

NEW



## MA-303DB Dual-Channel Portable Wireless PA System

### Controls and Indicators

NEW



### Transmitters



ACT-32H



ACT-32T



Remote control

### Profile

MA-303 is a very compact (A4 paper size), fully featured wireless PA system. This rugged yet lightweight system can be easily carried via the built-in handle or mounted on a microphone stand. It is an excellent public address solution for small to medium crowds.

### Features

1. Best-in-class performance.
2. Ultra light, ultra compact and ultra portable design.
3. Powerful and crystal-clear sound projection.
4. Wireless receiver with 16 auto-scannable frequencies.
5. One-touch Scan & ACT sync button for fast and easy channel set-up.
6. Built-in Bluetooth music player for wireless audio streaming.
7. Built-in USB music player & recorder with LCD screen.
8. Built-in alarm siren provides emergency warnings.
9. High efficiency class-D amplifier drives 2-way speakers with level limiter.
10. AC and lithium rechargeable battery operation.
11. Up to 11 hours of stand-by time per 4-hour full charge.
12. A smart 4-segment battery meter for accurate battery reading and charging status.
13. Available in black or white color.

### Ideal Applications

- School classrooms & halls
- Places of worship
- Presentations, seminars and meetings
- Day-care activities; playground duty
- Indoor/outdoor gatherings
- Paging
- Shopping center & trade show presentations and promotions
- Street performers
- Aerobic and fitness centers
- Recreational and social activities

### Specifications

Model	MA-303SB	MA-303DB
	Portable PA	
Max. Power Output	60 Watts	
Amplifier	Class D	
Sensitivity	Typical: 92 dB   Maximum: 102 dB	
T.H.D.	< 1%	
Frequency Response	50 Hz~18 kHz	
Speaker	1 " Tweeter & 5 " Woofer	
Audio Inputs	Wired	6.3 mm (1/4 ")
	Line-In	3.5 mm (1/8 ")
Audio Output	3.5 mm (1/8 ")	
Installation	Microphone stand, table mounted, shoulder belt	
Power Supply	AC	External 100~240V AC switching power supply
	DC & Battery	Built-in 14.8V/2.6AH rechargeable lithium battery
Charge Time	Up to 4 hours (automatic charging management)	
Standby Time	Up to 11 hours	Up to 9 hours
Battery Indicator	4-level indicator (25/50/75/100%)	
Color	Black, White	
Dimensions (W × H × D)	210 × 276 × 165 mm (8.3 × 11 × 6.5 ")	
Weight (battery included)	Approx. 2.7 kg (6 lbs)	Approx. 2.8 kg (6.2 lbs)
Color	Black or white option	
	Wireless System	
Receiver Channel	Single	Dual
Frequency Range	480~934 MHz (country dependent)	
Bandwidth	24 MHz	
Preset Channels	16	
Channel Set-up	Scan & ACT sync	
Transmitter	ACT-32H Handheld   ACT-32T Bodypack	
Antenna	Built-in	
	Audio Player	
Built-in USB Port	Yes	
Built-in Bluetooth Music Player	Yes	
USB Play & Record	LCD displays track name, number, time, recording status.	
Patents & Approvals	Patented. Telecom and safety regulations approved.	
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with regulations of different countries.	



# Portable Wireless PA Systems

## MA-505 Portable Wireless PA System

NEW



### Transmitters

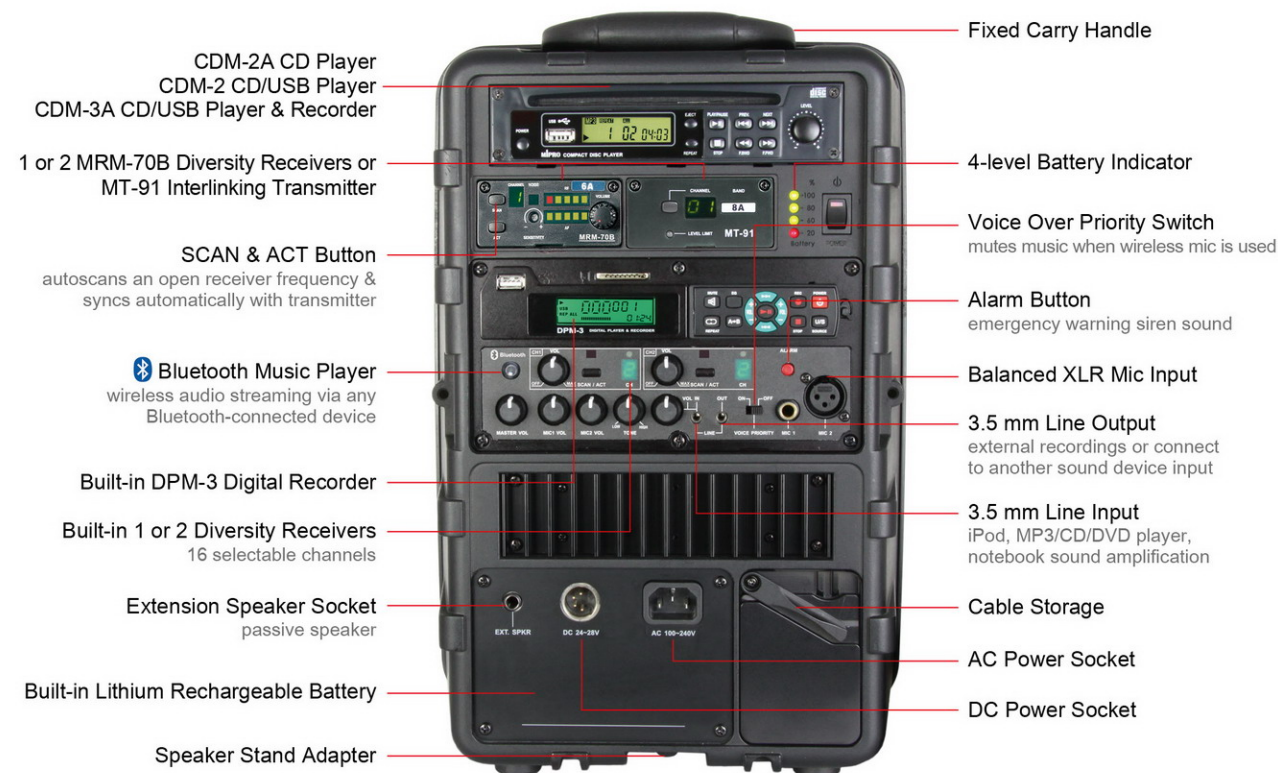


ACT-32H



ACT-32T

### Controls and Indicators



# Portable Wireless PA Systems

### Optional Accessories



CDM-3A  
CD/USB Player & Recorder Module



CDM-2 CD/USB Player Module  
CDM-2A CD Player Module



MRM-70B  
Receiver Module



MT-91  
Interlinking Transmitter Module

### Profile

MA-505 delivers unparalleled audio performance and craftsmanship. The rugged one-piece speaker cabinet houses a high efficient class-D amplifier that drives high sensitivity two-way loudspeakers and limiter circuitry reduces distortion and increases intelligibility for powerful and clear sound. Choice of digital audio players & recorders for playback and interlinking transmitter/receiver package for extended transmission range. It offers an ideal public address solution for medium crowds.

### Features

1. MA-505 is the culmination of years of wireless PA design.
2. 145-watt power of loud and clear sound via high efficient class-D amplifier.
3. Rugged one-piece molded enclosure houses 1 " titanium compression driver & 8 " woofer.
4. Powerful and crystal-clear sound projection.
5. Built-in or detachable receiver module option.
6. Wireless receiver with 16 auto-scannable frequencies.
7. One-touch Scan & ACT sync button for fast and easy channel set-up.
8. Built-in Bluetooth music player for wireless audio streaming.
9. A voice priority feature that mutes the music when wireless microphone is used.
10. Built-in one-button alarm/siren for warning of threats.
11. Built-in AC switching power supply for universal usage and fast battery charge.
12. A smart 4-segment battery meter for accurate battery reading and charging status.
13. Industry's only MT-91 wireless interlinking transmitter option to interlink multiple MA-505 portables wirelessly to extend transmission range and expand coverage.
14. Built-in cable storage compartment.
15. AC and lithium rechargeable battery operation.
16. Up to 8 hours of stand-by time per 4-hour full charge.
17. Available in black or white color.

### Ideal Applications

- School classrooms & halls
- Places of worship
- Presentations, seminars and meetings
- Day-care activities; playground duty
- Indoor/outdoor gatherings
- Weddings & funeral services
- Shopping center & trade show presentations and promotions.
- Street performers
- Aerobic and fitness centers
- Recreational and social activities

### Specifications

Portable PA	
Power Output	100W(rms)/ 4Ω , 145W(max)/ 4Ω
Amplifier	Class D
Sensitivity	Typical: 91 dB   Maximum: 109 dB
T.H.D.	< 1%
Frequency Response	50 Hz~18 kHz
Speaker	Tweeter
	1 " Tweeter
Bass	8 " Woofer
	8 " Woofer
Audio Inputs	Wired
	XLR balanced & unbalanced 6.3 Ø mm (1/4 ")
	Wireless
	Up to 4. 2 Built-in & 2 External Detachable
Audio Player	Built-in DPM-3 or optional CDM-2   CDM-2A   CDM-3A
	Line-In
	3.5 Ø mm (1/8 ") mini-jack
Bluetooth Connectivity	Yes
Audio Output	3.5 Ø mm (1/8 ") mini-jack
Extension Speaker	Unbalanced 6.3 Ø mm (1/4 ") jack
Volume	Individual volume control
Functions	VOP, Tone control or optional Echo control
Alarm Siren	Siren sound with fade-in mode
Storage	For AC power cable
Installation	Hand carry, Flat surface or on a speaker stand.
Power Supply	AC
	Built-in 100~240V AC switching power supply
DC & Battery	External DC connector. Built-in 25V/4.5A rechargeable lithium
Charge Time	Up to 4 hours (automatic charging management)
Standby Time	Up to 8 hours
Battery Indicator	4-level LED indicator (25/50/75/100%)
Color	Black, White
Dimensions (W × H × D)	285 × 400 × 225 mm (11.2 × 15.7 × 8.9 ")
Weight (battery included)	Approx. 8.5 kg (18.7 lbs)
Wireless System	
Detachable Module Receiver	1 or 2 MRM-70B AutoScan & ACT sync
Built-in Fixed Receiver	1 or 2 AutoScan & ACT sync
Frequency Range	480~934 MHz (country dependent)
Preset Channels & Bandwidth	16 preset channels in 24 MHz frequency band.
Antenna	Built-in proprietary active high efficiency antenna
Transmitter	ACT-32H Handheld   ACT-32T bodypack
Microphone	MM-107
Interlinking Transmitter	MT-91 module
Installation	Plug-n-play for optional modules
Digital Audio Player	
Audio Player	DPM-3, CDM-3A, CDM-2, CDM-2A
Audio Remote Control	DPM-3 – detachable or on-board
Patents & Approvals	Patented. Telecom & safety regulations approved.
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.



# Portable Wireless PA Systems

## MA-705 Portable Wireless PA System



### Transmitters

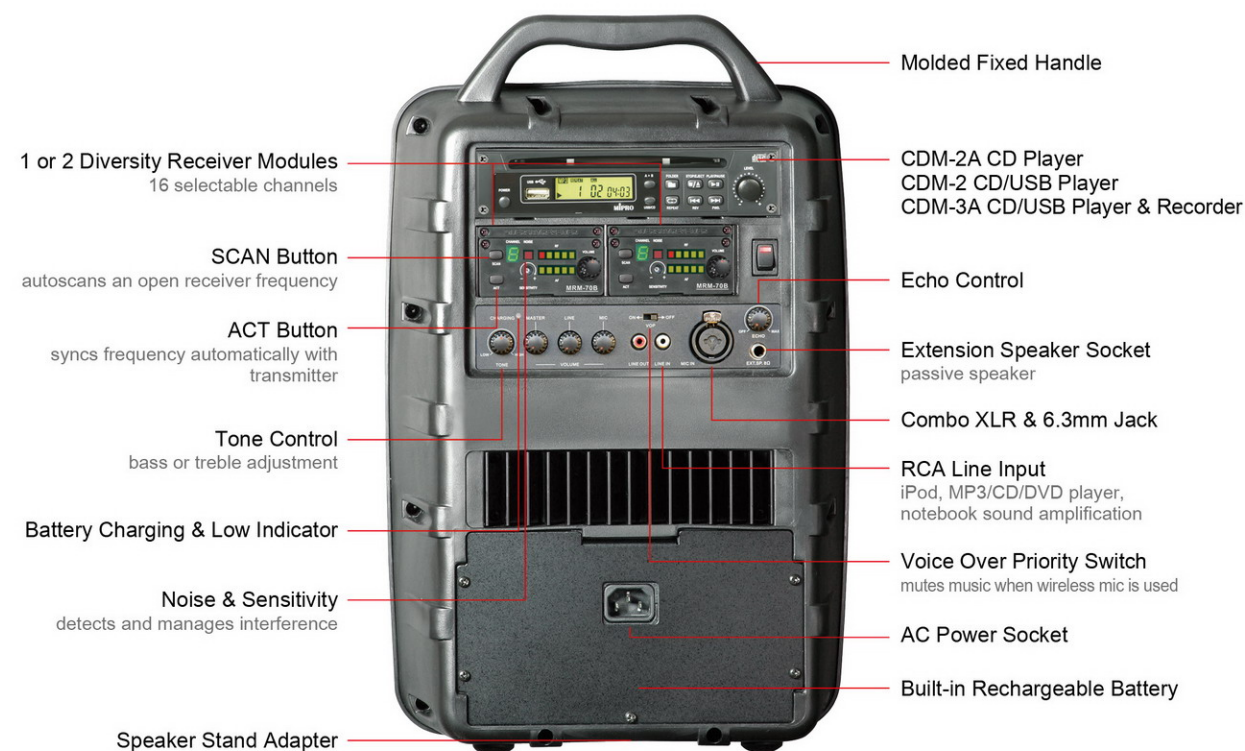


ACT-32H



ACT-32T

### Controls and Indicators



# Portable Wireless PA Systems

### Optional Accessories



CDM-3A CD/USB Player/Recorder Module



CDM-2 CD/USB Player Module



CDM-2A CD Player Module



MRM-70B Receiver Module

### Profile

Boasting more than ten years of mass production, MA-705 remains a product leader due to its compact, rugged and reliability design. This system delivers loud and clear sound quality and is ideal for small to medium crowds.

### Features

1. Delivers a powerful 70 Watts of high fidelity and high efficient sound through full range speaker.
2. Lightweight, compact & sleek design. Install on a speaker stand, flat surface or hand carried.
3. Detachable receiver module option.
4. Wireless receiver with 16 auto-scannable frequencies.
5. One-touch Scan & ACT sync button for fast and easy channel set-up.
6. A voice priority feature that mutes the music when wireless mic is used.
7. Built-in AC switching power supply for universal usage and fast battery charge.
8. AC and rechargeable battery operation.

### Ideal Applications

- School classrooms & halls
- Places of worship
- Presentations, seminars and meetings
- Day-care activities; playground duty
- Indoor/outdoor gatherings
- Weddings & funeral services
- Shopping center & trade show presentations and promotions
- Street performers
- Aerobic and fitness centers
- Recreational and social activities

### Specifications

Portable PA		
Max. Power Output	70 Watts	
Amplifier	Class AB	
Sensitivity	Typical: 95 dB   Maximum: 108 dB	
T.H.D.	< 1%	
Frequency Response	50 Hz~18 kHz	
Speaker	8 " full-range	
Audio Inputs	Wired	Combo XLR & 6.3 mm (1/4 ")
	Wireless	Up to 2 wireless microphones
	Audio Player	CDM-2   CDM-2A   CDM-3A
	Line-In	Unbalanced RCA jack
Audio Output	Unbalanced line RCA jack	
Extension Speaker	6.3 mm (1/4 ") Phone jack	
Volume	Master and other individual controls	
Controls	Tone control, Echo control on wireless mics	
Installation	Speaker stand, flat surface or fixed handle	
Power Supply	AC	Built-in 100~240V AC switching power supply
	DC & Battery	12V/2.9AH rechargeable gel cell battery
Charge Time	Up to 6 hours (automatic charging management)	
Standby Time	Up to 7 hours	
Battery Indicator	Single LED Indicator	
Dimensions (W × H × D)	285 × 400 × 225 mm (11.2 × 15.7 × 8.9 ")	
Weight (battery included)	Approx. 9.8 kg (21.6 lbs)	
Wireless System		
Receiver	MRM-70B	
Max. Receiver	Up to 2	
Transmitter	ACT-32H Handheld   ACT-32T Bodypack	
Microphone	MM-107 Wired Dynamic Microphone	
Installation	Plug-in Module	
Antenna	Built-in	
Digital Audio Player		
Model	CDM-2   CDM-2A   CDM-3A	
Installation	Detachable Module	
Patents & Approvals	Patented. Telecom & safety regulations approved.	
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.	



## MA-707 Portable Wireless PA System



### Transmitters

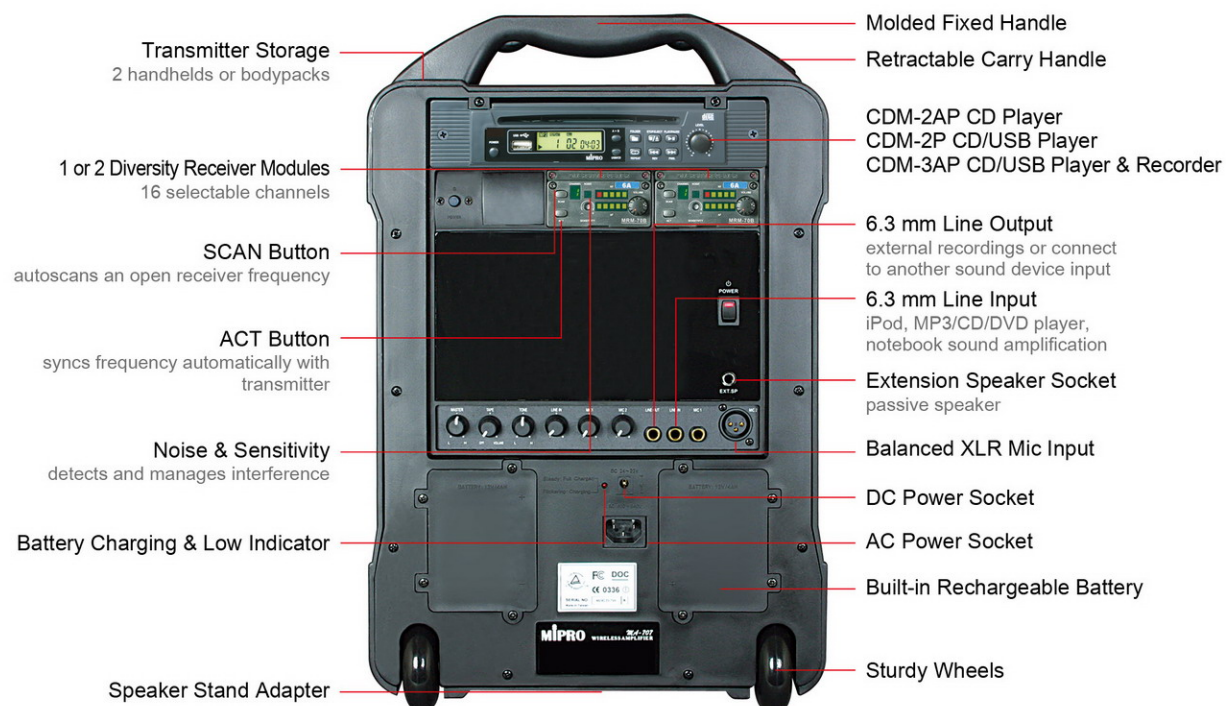


ACT-32H



ACT-32T

### Model shown with accessories



### Optional Accessories



### Profile

For over 17 years, MA-707 has been mass-produced and sold in over 80 countries and it remains a market-leading system as MIPRO ensures product design, craftsmanship and reliability are second to none. MA-707 is a popular, versatile and rugged system that can be used indoors and outdoors and provides excellent full range music reproduction as well as quality intelligible speech. It offers an ideal public address solution for medium to large crowds.

### Features

1. Delivers a powerful 100 Watts audio output.
2. Up to 2 optional diversity receiver module with 16 auto-scannable frequencies.
3. One-touch Scan for a clear, interference-free frequency.
4. One-touch ACT syncs the transmitter and receiver frequency automatically.
5. Interference warning indicator.
6. Built-in retractable handle and sturdy wheels ensure easy transport.
7. Built-in compartment storage for up to 2 handheld or bodypack transmitters.
8. Detachable digital audio player & recorder option.
9. Built-in AC switching power supply for universal usage and fast battery charge.
10. 3 power modes: AC, rechargeable battery and DC jack.

### Ideal Applications

- Schools
- Places of worship
- Presentations, seminars and meetings
- Shopping center & trade show presentations and promotions
- Aerobic & fitness centers
- Parades & fetes
- Street performers
- Park and recreational facilities
- Emergency interventions
- Weddings & funeral services
- Public auctions

### Specifications

Portable PA		
Max. Power Output	100 Watts	
Amplifier	Class AB	
Sensitivity	Typical: 98 dB   Maximum: 111 dB	
T.H.D.	< 1%	
Frequency Response	50 Hz~18 kHz	
Speaker	8 " full-range	
Audio Inputs	Wired	XLR × 1 & 6.3mm (1/4 ") × 1
	Wireless	Up to 2 wireless microphones
	Audio Player	CDM-2P   CDM-2AP   CDM-3AP
	Line-In	Unbalanced 6.3mm (1/4 ") jack
Audio Output	Unbalanced Line 6.3mm (1/4 ") jack	
Extension Speaker	6.3 mm (1/4 ") Phone jack	
Volume	Master and other individual controls	
Controls	Tone control	
Storage	2 handheld or bodypack transmitters	
Installation	Speaker stand, flat surface or retractable handle & wheels	
Power Supply	AC	Built-in 100~240V AC switching power supply
	DC & Battery	24~32 DC, 12V/4.5AH rechargeable gel cell battery
Charge Time	Up to 8 hours (automatic charging management)	
Standby Time	Up to 8 hours	
Battery Indicator	Single LED Indicator	
Dimensions (W × H × D)	310 × 445 × 240 mm (12.2 × 17.5 × 9.4 ")	
Weight (battery included)	Approx. 14.8 kg (32.5 lbs)	
Wireless System		
Receiver	MRM-70	
Max. Receiver	Up to 2	
Transmitter	ACT-32H Handheld   ACT-32T Bodypack	
Microphone	MM-107 Wired Dynamic Microphone	
Installation	Plug-in Module	
Antenna	Built-in	
Digital Audio Player		
Model	CDM-2P   CDM-2AP   CDM-3AP	
Installation	Plug-in Module	
Patents & Approvals	Patented. Telecom & safety regulations approved.	
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.	



# Portable Wireless PA Systems

# Portable Wireless PA Systems

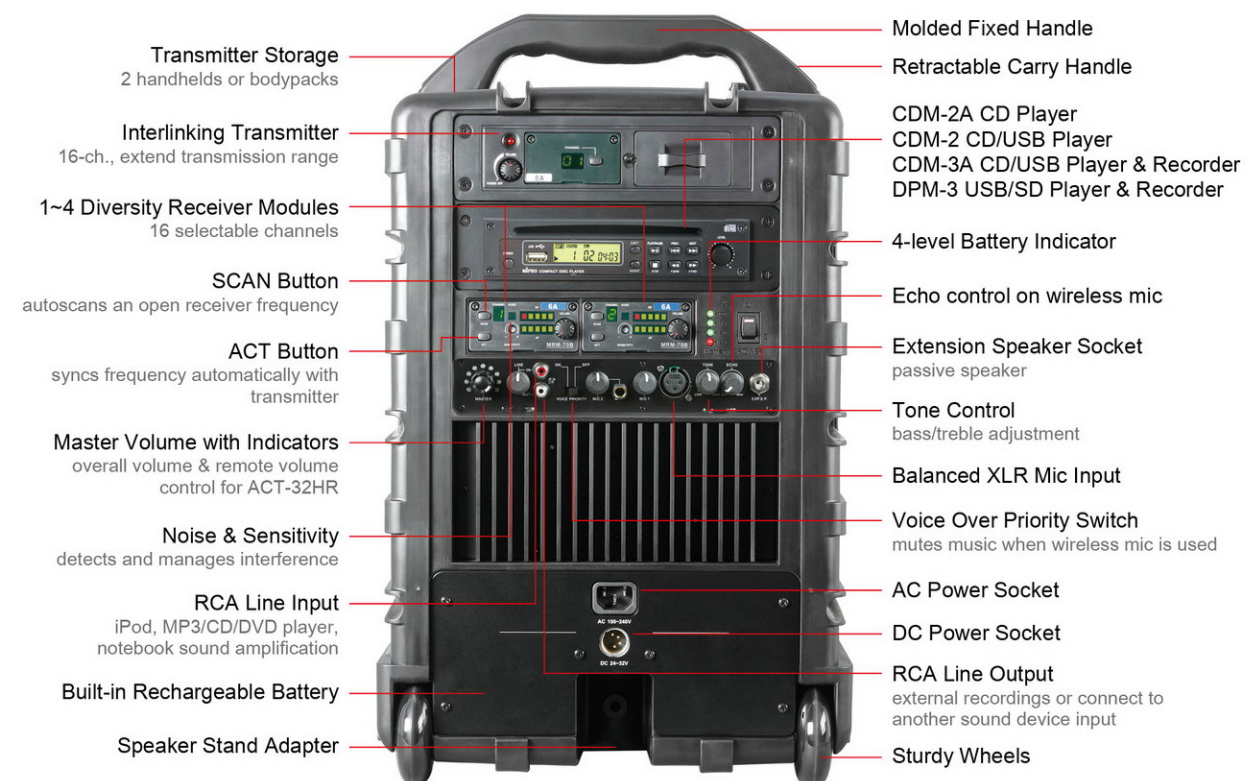
## MA-708 Portable Wireless PA System



### Transmitters



### Model shown with accessories



### Optional Accessories



### Profile

Bringing a host of impressive features and functionalities, the MA-708 is an undisputed market leader in its class.

MA-708 delivers unparalleled audio performance and craftsmanship. The rugged one-piece speaker cabinet houses a high efficient class-D amplifier that drives high sensitivity two-way loudspeakers and limiter circuitry reduces distortion and increases intelligibility for guaranteed powerful and clear sound. It offers an ideal public address solution for medium to large crowds.

### Features

1. Lightweight Class-D amplifier produces 190-watt audio output.
2. 1 " titanium compression driver & 8 " woofer.
3. Industry's only master level control enables volume be wirelessly controlled by an optional ACT-32HR transmitter microphone instead of a separate remote.
4. Up to 4 optional diversity receiver modules with 16 auto-scannable frequencies.
5. One-touch Scan & ACT sync button for fast and easy channel set-up.
6. Retractable handle and sturdy wheels for easy transport.
7. Built-in storage compartment for 2 HH or BP transmitters.
8. A voice priority feature that mutes the music when wireless microphone is used.
9. Built-in AC switching power supply for universal usage and fast battery charge.
10. A smart 4-segment battery meter for accurate battery reading and charging status.
11. Industry's only MTM-92 transmitter option for interlinking multiple MA-708 portables wirelessly to extend transmission range & expand coverage.
12. Optional lithium rechargeable battery pack for direct replacement of existing battery. Lithium battery offers superior cycle life, half the weight and environmental
13. 3 power modes: AC, rechargeable battery and DC jack.
14. Suitable for tripod, floor or desk mount
15. Available in black or white color.

### Ideal Applications

- School sports events and marching bands
- Large meetings and public gatherings
- Presentations, seminars and meetings
- Shopping center presentations and promotions
- Places of worship
- Aerobic & fitness centers
- Parades & fetes
- Street performers
- Park and recreational facilities
- Emergency and rescue situations
- Weddings & funeral services
- Public auctions

### Specifications

Portable PA		
Max. Power Output	190 Watts	
Amplifier	Class D	
Sensitivity	Typical: 89 dB   Maximum: 108 dB	
T.H.D.	< 1%	
Frequency Response	50 Hz~18 kHz	
Speaker	Tweeter	1 " Compression Driver
	Bass	8 " Woofer
Audio Inputs	Wired	XLR × 1 & 6.3 mm (1/4 ") × 1
	Wireless	Up to 4 wireless microphones
	Audio Player	CDM-2A   CDM-2   CDM-3A DPM-3
	Line-In	Unbalanced RCA jack
Audio Output	Unbalanced Line RCA jack	
Extension Speaker	6.3 mm (1/4 ") Phone jack	
Master Volume Control	Manually or Wirelessly via ACT-32HR	
Controls	Tone, Voice priority & Echo on wireless mics	
Storage	2 handheld or bodypack transmitters	
Installation	Speaker stand, flat surface or retractable handle & wheels	
Power Supply	AC	Built-in 100~240V AC switching power supply
	DC & Battery	24~32 DC, 12V/4.5AH rechargeable gel cell battery
Charge Time	Up to 8 hours (automatic charging management)	
Standby Time	Up to 7 hours	
Battery Indicator	4-level indicator (25/50/75/100%)	
Color	Black, White	
Dimensions (W × H × D)	336 × 545 × 325 mm (13.2 × 21.5 × 12.8 ")	
Weight (battery included)	Approx. 16.3 kg (36 lbs)	
Wireless System		
Receiver	MRM-70B   MRM-72B	
Max. Receiver	Up to 4 (MRM-70B × 2 + MRM-72B × 1)	
Transmitter	ACT-32H   ACT-32HR   ACT-32T	
Microphone	MM-107 Wired Dynamic Microphone	
Interlinking Transmitter	MTM-92	
Installation	Plug-in Module	
Antenna	Built-in	
Digital Audio Player		
Model	CDM-2A   CDM-2   CDM-3A   DPM-3	
Installation	Plug-in Module	
Patents & Approvals	Patented. Telecom & safety regulations approved.	
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.	



# Portable Wireless PA Systems

# Portable Wireless PA Systems

## MA-808 Portable Wireless PA System

Patents : Taiwan Design D112612 China Design ZL200530143378.9



### Transmitters



### Model shown with accessories



### Optional Accessories



### Profile

MA-808 is the flagship and ultimate wireless PA system and brings a host of impressive features and functionalities. MA-808 delivers unparalleled audio performance and craftsmanship. The rugged one-piece speaker cabinet houses a high efficient class-D/AB amplifiers that drive high sensitivity two-way loudspeakers and limiter circuitry reduces distortion and increases intelligibility for guaranteed powerful and clear sound. It offers an ideal public address solution for large crowds.

### Features

1. Lightweight Class-D amplifier produces 267-watt audio output.
2. 1.5 " titanium compression driver & 10 " woofer.
3. Industry's only master level control enables volume be wirelessly controlled by an optional ACT-32HR transmitter microphone instead of a separate remote.
4. Up to 4 optional diversity receiver modules with 16 auto-scannable frequencies.
5. One-touch Scan & ACT sync button for fast and easy channel set-up.
6. Retractable handle and sturdy wheels for easy transport.
7. Built-in storage compartment for 2 HH or BP transmitters.
8. A voice priority feature that mutes the music when wireless microphone is used.
9. Built-in AC switching power supply for universal usage and fast battery charge.
10. A smart 4-segment battery meter for accurate battery reading and charging status.
11. Industry's only MTM-92 transmitter option for interlinking multiple MA-808 portables wirelessly to extend transmission range & expand coverage.
12. Optional lithium rechargeable battery pack for direct replacement of existing battery. Lithium battery offers superior cycle life, half the weight and environmental.
13. Speakon extension speaker output (use with MA-808EXP).
14. 3 power modes: AC, rechargeable battery and DC jack.
15. Suitable for tripod, floor or desk mount.

### Ideal Applications

- School sports events and marching bands
- Large meetings and public gatherings
- Presentations, seminars and meetings
- Shopping center presentations and promotions
- Places of worship
- Aerobic & fitness centers
- Parades & fetes
- Street performers
- Park and recreational facilities
- Emergency and rescue situations
- Weddings & funeral services
- Public auctions

### Specifications

Portable PA		
Max. Power Output	267W: 190W (woofer)   77W (tweeter)	
Amplifier	Class D & Class AB	
Sensitivity	Typical: 96 dB   Maximum: 111 dB	
T.H.D.	< 1%	
Frequency Response	50 Hz~18 kHz	
Speaker	Tweeter	1.5 " Compression Driver
	Woofer	10 " Neodymium
Audio Inputs	Wired	XLR × 1 & 6.3 mm (1/4 ") × 1
	Wireless	Up to 4 wireless microphones
	Audio Player	CDM-2A   CDM-2   CDM-3A DPM-3
	Line-In	Unbalanced RCA jack
Audio Output	Unbalanced Line RCA jack	
Extension Speaker	Speakon output	
Master Volume Control	Manually or Wirelessly via ACT-32HR	
Controls	Tone, Voice priority & Echo on wireless mics	
Storage	2 handheld or bodypack transmitters	
Installation	Speaker stand, flat surface or retractable handle & wheels	
Power Supply	AC	Built-in 100~240V AC switching power supply
	DC & Battery	24~32 DC, 12V/4.5AH rechargeable gel cell battery
Charge Time	Up to 8 hours (automatic charging management)	
Standby Time	Up to 6 hours	
Battery Indicator	4-level indicator (25/50/75/100%)	
Color	Black, White	
Dimensions (W × H × D)	360 × 560 × 350 mm (14.2 × 22 × 13.8 ")	
Weight (battery included)	Approx. 20.5 kg (45 lbs)	
Wireless System		
Receiver	MRM-70B   MRM-72B	
Max. Receiver	Up to 4 (MRM-70B × 2 + MRM-72B × 1)	
Transmitter	ACT-32H   ACT-32HR   ACT-32T	
Microphone	MM-107 Wired Dynamic Microphone	
Interlinking Transmitter	MTM-92	
Installation	Plug-in Module	
Antenna	Built-in	
Digital Audio Player		
Model	CDM-2A   CDM-2   CDM-3A   DPM-3	
Installation	Plug-in Module	
Patents & Approvals	Patented. Telecom & safety regulations approved.	
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries	



# Portable Wireless PA Systems

## MA-909 Wireless Mixer

The MA-909 is a breakthrough in the traditional design concept of wireless PA systems. Essentially, it separates the control mixer from the amplified speaker system. The mixed audio signals from the MA-909 can be transmitted wirelessly to inter-linking receiver modules installed in one or more remote active speaker systems (MA-705PA, MA-707PA, MA-708PA, MA-808PA) thus allowing the mixer to be set up in any desired location without the need for bulky and inconvenient connecting cables.

It's an ideal interface for hundreds of applications including existing in-wall school audio systems, remote broadcast setups, press conferences, hotel facilities, live sound, weddings, pep rallies, assemblies, and much more. The MA-909 is the perfect solution for any application requiring flexibility, convenience and performance with excellent results.



### Features

1. EIA Standard 2U metal case equipped with plug-in dual UHF wireless receivers, CD player, wired microphone jack, LINE-IN jack of other audio sources and LINE-IN/OUT jack of recorder.
2. A wired microphone, two wireless microphones, CD/DVD players, and other audio sources can be mixed simultaneously to the input.
3. 16 preset channels.
4. Modular design for interlinking wireless receiver allows being built-in or mounted on active speaker systems.
5. The active speaker systems with an interlinking receiver module installed allow unlimited expansion or change of setup position within transmitting range.

### Specifications

Receiver	Plug-in 2 UHF detachable receiver modules
Matching Transmitters	ACT-32H Handheld, ACT-32T Bodypack
Microphones	MM-107 Wired Microphone
Receiver Antennas	Rear Panel, Detachable
Audio Player	CDM-2 (CD + USB)
Audio Input Sockets	Balanced, Unbalanced Mic & Line-in / Line-out
T.H.D.	< 0.5%
Frequency Response	50 Hz~15 kHz
Wireless Transmitter	MT-92: Preset 16 frequencies
Power Supply	Built-in 100~240V AC switching power supply
Exterior Color	Black
Dimensions (W x H x D)	420 x 44 x 200 mm (16.5 x 1.7 x 7.9 ")
Weight	Approx. 5.2 kg (11.5 lbs)
Note	Refer to actual product in the event of product description discrepancy.

### Optional Accessories

#### MRM-70B Receiver Module

1. 16 preset channels
2. Autoscan and ACT™ sync
3. Modularized design



#### MT-92 Interlink Transmitter Module

1. 16 preset channels
2. Autoscan
3. Modularized design



#### MR-90B Interlink Receiver Module

1. 16 preset channels to match MT-92
2. LCD displays operating status
3. Modularized design



#### CDM-2 CD/USB Player Module

1. Plays CD and USB flash disk
2. Selection and Search
3. Programmable tracks
4. Random & repeat playback
5. USB 2.0 port
6. Select tracks by number
7. Remote control included



# Portable Wireless PA Systems

## DPM-3F Digital Player/Recorder Module Frame

NEW



### Profile

DPM-3F is an EIA-standard 19" 1U metal module frame which fits MIPRO digital audio players & recorders. Various of input and output jacks enables recordings or signal output to a mixer or integrated amplifier.

### Features

1. EIA-standard rack-mountable 19" 1U metal module frame.
2. Accepts MIPRO DPM-3, CDM-2, CDM-2A, CDM-3A.
3. REC INPUT stereo RCA jack input for external audio sources and can be used with MIPRO DPM-3, CDM-3A for recording.
4. LINE OUTPUT RCA jack stereo output to a mixer or integrated amplifier.
5. VIDEO OUTPUT socket interfaces with an external recordable device.
6. 6.3mm headphone monitoring jack with volume control.








### Specifications

Input Sensitivity	RCA jack, 10KΩ impedance, Maximum input -2dBV
Headphone Output	6.3 Ø mm, impedance 30Ω/50mW x 2
T.H.D.	< 0.1%
S/N Ratio	>103dB
Current Consumption (excluding CD)	50mA
Power	DC12 ~ 15V
LINE Output	1V rms



# Portable Wireless PA Systems

## Model Comparison Chart

Model	MA-303SB	MA-303DB	MA-505	MA-705	MA-707	MA-708	MA-808
							
Max. Power Output	60 Watts		145 Watts	70 Watts	100 Watts	190 Watts	267 Watts
Sensitivity	Typical: 92 dB Maximum: 102 dB		T: 91 dB M: 109 dB	T: 95 dB M: 108 dB	T: 98 dB M: 111 dB	T: 89 dB M: 108 dB	T: 96 dB M: 111 dB
Amplifier	Class D			Class AB		Class D	Class AB + D
Speaker	1 " Tweeter + 5 " Woofer		1 " Tweeter & 8 " Woofer	8 " Full-Range		1 " Compression Driver & 8 " Woofer	1.5 " Compression Driver & 10 " Woofer
Power Method	AC Power , Rechargeable Battery & DC input		AC Power , Rechargeable Battery & DC input	AC Power, Rechargeable Battery	AC Power , Rechargeable Battery & DC input		
Power Supply	External		Built-in				
Built-in Battery	Lithium MB-10 x 1		Lithium MB-35 x 1	Sealed Lead-Acid MB-30 x 2	Sealed Lead-Acid MB-70 x 2 (optional LFP MB-80)		
Charge Time	Up to 4 hours			Up to 6 hours	Up to 8 hours		
Standby Time	Up to 11 hours	Up to 9 hours	Up to 8 hours	Up to 7 hours	Up to 8 hours	Up to 7 hours	Up to 6 hours
Battery Indicator	4-level Indicator			Single Indicator		4-level Indicator	
Line-In	3.5 mm (1/8 ") x 1			Single RCA x 1	6.3mm (1/4") x 1	Single RCA x 1	
Line-Out	3.5 mm (1/8 ") x 1			Single RCA x 1	6.3mm (1/4") x 1	Single RCA x 1	
Mic-In	6.3 mm (1/4 ") x 1		XLR & 6.3 mm x 1	Combo x 1	XLR & 6.3 mm (1/4 ") x 1		
Voice Over Priority	N/A		Yes		N/A	Yes	
Echo Control	N/A		N/A	Yes	N/A	Yes	
Tone Control	N/A		Yes				
Retractable Handle & Wheels	N/A				Yes		
Transport	Molded Fixed Handle				Retractable handle and wheels		
Tripod Stand	MS-30		MS-70				
Storage Compartment	N/A				2 Handhelds	2 Handhelds or 2 Bodypacks	
Storage Cover	SC-30		SC-50		SC-70	SC-75	SC-80
Extension Speaker	Yes						
Dimensions (W x H x D)	mm	210 x 276 x 165		285 x 400 x 225	285 x 400 x 225	310 x 445 x 240	336 x 545 x 325
	inches	8.3 x 11 x 6.5		11.2 x 15.7 x 8.9	11.2 x 15.7 x 8.9	12.2 x 17.5 x 9.4	13.2 x 21.5 x 12.8
Approx. Weight (battery included)	2.7 kg (6 lbs)	2.8 kg (6.2 lbs)	8.5 kg (18.7 lbs)	9.8 kg (21.6 lbs)	14.8 kg (32.5 lbs)	16.3 kg (36 lbs)	20.5 kg (45 lbs)
Wireless System							
Maximum Receiver	1	2	Up to 4	Up to 2		Up to 4	
Receiver Installation	Built-in		Built-in & Plug-in	Plug-in Module			
Preset Channels	16						
Channel Set-Up	Scan & Sync (ACT)						
Transmitter	ACT-32H Handheld ACT-32T Bodypack					ACT-32H   ACT-32HR Handheld ACT-32T Bodypack	
Frequency Range	480~934 MHz (country dependent). 24 MHz bandwidth						
Wireless Interlinking Transmitter	N/A		Optional MT-91	N/A		Optional MTM-92	
Audio Player							
Digital Audio Player	USB Player & Recorder (built-in)		CDM-2, CDM-2A, CDM-3A ,DPM-3 (optional)	CDM-2, CDM-2A, CDM-3A (optional)	CDM-2P, CDM-2AP, CDM-3AP (optional)	CDM-2, CDM-2A, CDM-3A ,DPM-3 (optional)	

## Accessories

- 30 Receiver Modules & Interlinking Transmitters
- 32 Digital Audio Players & Recorders
- 33 Transmitters
- 36 Headworn Microphones
- 38 Lavalier Microphones
- 39 Rechargeable Batteries
- 40 Rechargeable Batteries & Other Accessories





MRM-70B | MRM-72B

NEW

Diversity Receiver Module

The modular plug-and-play design allows for fast and easy installation or replacement of MIPRO MA-505, MA-705, MA-707, MA-708 and MA-808 portable PA systems. Installation or replacement takes less than a minute.



MRM-70B



MRM-72B

Features

- 1. Advanced diversity technology for optimum reception quality.
- 2. Preset with 16 auto-scannable frequencies.
- 3. One-touch Scan for a clear, interference-free frequency.
- 4. One-touch ACT™ syncs the transmitter and receiver frequency automatically.
- 5. Interference warning indicator.
- 6. "Sensitivity" adjustor can be adjusted to minimize interference.
- 7. Easy-to-read LED channel display.
- 8. 5-segment RF and Audio meters.
- 9. Dual "PiloTone & NoiseLock" circuits minimize interference.
- 10. Modularized design allows easy installation and replacement.
- 11. When installed, master level control enables volume be wirelessly controlled by an ACT-32HR transmitter microphone instead of a separate remote. (MA-708 & MA-808 portables)

Specifications

Model	MRM-70B	MRM-72B
Receicer Channel	Single-Channel	Dual-Channel
Frequency Range	480~934 MHz (country dependent)	
Oscillation Mode	PLL Synthesized	
Bandwidth	24 MHz	
Preset Channels	16	
Channel Set-up	Scan and ACT sync	
Receiving Mode	CPU-controlled diversity receiving	
Squelch Control	"PiloTone & NoiseLock" dual-squelch circuits	
Display Status	Channel, RF & audio meters and interference warning indicator	
Sensitivity	6 dB μ V, at S/N > 80 dB	
Spurious Emissions	< 82 dB	
Frequency Response	60 Hz~15 kHz ( Overall system )	
S/N Ratio	> 100 dBA	
T.H.D.	<0.5% @ 1kHz ( Dev.=32kHz )	
AF Output	610 mV rms	
Power Supply	12~15 V DC	
Current Consumption	<250 mA	
Operating Temperature	-10~+60°C	
Transmitters	ACT-32H   ACT-32T   ACT-32HR (MA-708 & MA-808 only)	
Dimensions (W × H × D)	75 × 35 × 141 mm (3.0 × 1.4 × 5.6 ")	220 × 57 × 190 mm (8.7 × 2.2 × 7.5 ")
Weight	Approx. 126 g (4.4 oz)	Approx. 622 g (22 oz)
Note	Refer to actual product in the event of product description discrepancy.	

MT-91 Interlinking Transmitter Module

NEW

Features

- 1. 16 selectable channels.
- 2. Numeric LED display.
- 3. Modularized design allows easy installation and replacement.
- 4. Fits MA-505 portables.

Specifications

Frequency Range	480~934 MHz (country dependent)
Oscillation Mode	PLL Synthesized
Bandwidth	24 MHz
RF Output Power	10 / 100 mW switchable (country dependent)
Spurious Emissions	< -45 dBm
Dimensions (W × H × D)	75 × 35 × 165 mm (2.9 × 1.4 × 6.4 ")
Weight	Approx. 85 g (3 oz)
Note	Refer to actual product in the event of product description discrepancy.



MT-92 | MTM-92 Interlinking Transmitter Module

NEW

Features

- 1. 16 selectable channels.
- 2. Numeric LED display.
- 3. Modularized design allows easy installation and replacement.
- 4. MTM-92 fits MA-708 or MA-808 portables.

Specifications

Frequency Range	480~934 MHz (country dependent)
Oscillation Mode	PLL Synthesized
Bandwidth	24 MHz
RF Output Power	10 / 100 mW switchable (country dependent)
Spurious Emissions	< -45 dBm
Dimensions (W × H × D)	MT-92 : 65 × 34.5 × 165 mm (2.5 × 1.3 × 6.4 ") MTM-92 : 220 × 57 × 190 mm (8.6 × 2.2 × 7.5 ")
Weight	MT-92 : Approx. 80 g (2.8 oz) MTM-92 : Approx. 410 g (14.5 oz)
Note	Refer to actual product in the event of product description discrepancy.



MT-92



MTM-92



## DPM-3 USB/SD Player & Recorder Module

NEW



1. Records from Line-input into SD card or USB.
2. USB 2.0 port / SD / SDHC card.
3. Can repeat specified period for language learning function.
4. Support up to 999 folders or 999 tracks storage in USB or SD card.
5. Single track can be deleted during playback.
6. Song management by music folders.
7. Equalizer modifies bass, treble and other sonic.
8. Several Repeat options.
9. Fast track search. Fast forward/reverse search.
10. Remote control can be operated on-board or detached from panel.
11. Fits MA-708 or MA-808 portables.

## CDM-3A | CDM-3AP CD/USB Player & Recorder Module

NEW



1. Supports MP3/WMA/CD/CD-R/CD-RW formats
2. Records from Line-input into USB.
3. Supports USB 1.1 host interface and up to 16 GB USB disk.
4. Can repeat specified period for language learning function.
5. Single track can be deleted during playback.
6. Song management by music folders.
7. Repeat, Fast forward/reverse search.
8. CDM-3A fits MA-505, 705, 708, 808 portables.
9. CDM-3AP fits MA-707 portables.

## CDM-2 | CDM-2P CD/USB Player Module



1. Plays standard CD and USB flash disk.
2. Selection and Search.
3. Random & repeat playback.
4. USB 2.0 port.
5. Wireless remote control included.
6. CDM-2 fits MA-505, MA-705, MA-708, MA-808.
7. CDM-2P fits MA-707.

## CDM-2A | CDM-2AP CD Player Module

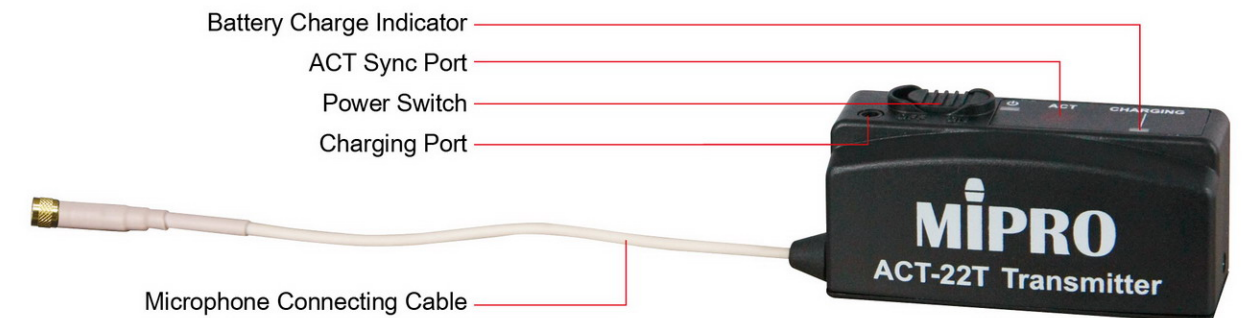
NEW



1. Plays standard CD.
2. Selection and Search.
3. Programmable tracks.
4. Random & repeat playback.
5. Wireless remote control included.
6. CDM-2A fits MA-505, MA-705, MA-708, MA-808.
7. CDM-2AP fits MA-707.

## ACT-22T Miniature Headworn Transmitter

NEW



### Profile

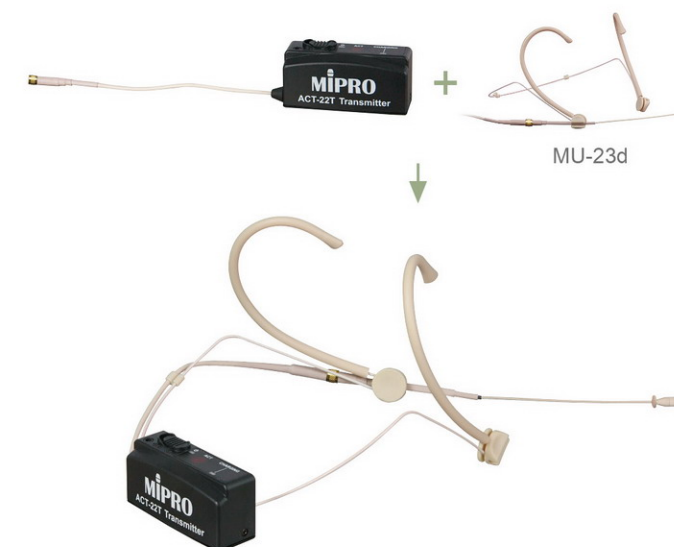
MIPRO introduces ACT-22T, an ultra compact, miniature transmitter. This true wireless solution offers a hands-free operation without cable entanglement and additional bodypack and poor connection problems when integrated with a headworn microphone.

The ACT-22T utilizes PLL synthesized technology for increased RF stability and packed in a lightweight, miniature housing so transmitter can rest comfortably and secure behind the head of the performer for an unobtrusive view. Featuring built-in rechargeable lithium battery with a quick charger for extended battery hours and patented ACT sync enables fast and easy transmitter setup from any MIPRO receivers.

ACT-22T can be connected to a MU-210d or MU-23d headworn microphone. Furthermore, it can be connected to a VM-10M instrument microphone for wireless violin transmission. Coupled with an anti-scratch device, it can be attached to percussion, string and wind musical instruments for wireless audio amplification.

ACT-22T is easy to use and ideal for education, theater, aerobics/fitness, houses of worship applications.

### Assembled with MU-23d Headworn Microphone



### Specifications

Oscillation Mode	PLL Synthesized
Frequency Range	480~934 MHz (country dependent)
Bandwidth	24 MHz
Channel Set-up	ACT Sync
RF Output Power	10~30 mW (country dependent)
Spurious	< -55 dBc
Battery	Built-in Rechargeable Lithium Battery
Operating Time	Up to 6 hours
Dimensions (W x H x D)	57 x 28 x 20 mm (2.2 x 1.1 x 0.8 ")
Weight	Approx. 38 g (1.3 oz), rechargeable battery included
Patent & Approvals	Patented. Telecom and safety regulations approved.
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.



## ACT-32H Handheld Transmitter

NEW

## ACT-32HR Remote Volume Control Handheld Transmitter

NEW



Patents :  
Taiwan Utility M381162

### Features

1. Extremely rugged, ergonomically designed housing.
2. The unique flat top multi-layered steel grille protects the capsule against impact, rolling, pop noise and ensures sound clarity.
3. The unique flat top multi-layered steel grille for condenser capsules and round top for dynamic capsules protect the capsule against impact, rolling and pop noise. The upper grille is able to be detached easily for cleaning and hygiene practices.
4. Premium true condenser microphone capsule provides high fidelity, wide frequency response, high dynamic range, rapid transient response, clarity and accurate sound reproduction.
5. Proprietary lockable silent on/off switch to avoid accidental power-off during performance.
6. Impact-resistant battery compartment holds 2 AA batteries.
7. Interchangeable colored rings for microphone channel identification on stage.
8. LCD displays group, channel, battery level & error message codes.
9. Low spurious PLL-synthesized technology enhances frequency stability and reliability. Patented "Built-in" antenna design.
10. World's first ACT™ function provides precise and rapid frequency sync to the transmitters.
11. Industry's only master level control enables volume be wirelessly controlled by ACT-32HR transmitter microphone instead of a separate remote.

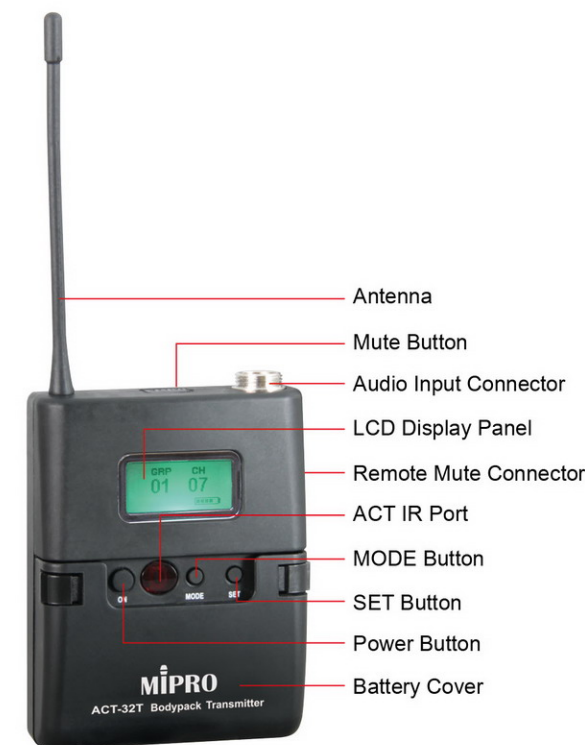
### Specifications

Model	ACT-32H	ACT-32HR
Built-in Volume Control	N/A	Yes. For MA-708 & MA-808 portables installed with MRM-70B & MRM-72B receiver modules
Housing	Rugged Plastic	
Oscillation Mode	PLL Synthesized	
Frequency Range	480~934 MHz (country dependent)	
Bandwidth	24 MHz	
Channel Set-Up	ACT Sync	
RF Output Power	10~30 mW (country dependent)	
Max. Input Level	140 dB SPL	
Display	LCD displays group, channel, battery status & error codes	
Capsules	Standard MU-79: ECM Optional MU-89: TCM or MU-59 Dynamic	
Battery	2 AA alkaline	
Dimensions (Ø × L)	50 × 233 mm (2.0 × 9.2 ")	
Weight	Approx. 246 g (8.68 oz), excluding batteries	
Patents & Approvals	Patented. Telecom and safety regulations approved.	
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.	

## ACT-32T Bodypack Transmitter

NEW

## Bodypack Transmitter



### Features

1. Miniature, compact design in metal (52T) / plastic (32T) housing.
2. Top features mute switch, mini-XLR connector and antenna.
3. Backlit LCD displays various parameters and indicators.
4. Unique battery cover design provides easy access to operational controls and protects against accidental change of settings.
5. Connector for optional MJ-70 remote mute switch cable.
6. Low spurious PLL-synthesized technology enhances frequency stability and reliability. One-touch ACT syncs the transmitter and receiver frequency automatically.
7. Selectable impedance for microphone or guitar/line inputs.
8. 4-pin mini XLR connector is compatible with all MIPRO lavalier, headworn microphones and instrument cable.
9. Highly efficient power consumption circuitry ensures long operating hours from 2 AA batteries.
10. Adjustable belt clip allows wearing transmitter in up or down position.

## ACT-52T Bodypack Transmitter

NEW

## Bodypack Transmitter



### Specifications

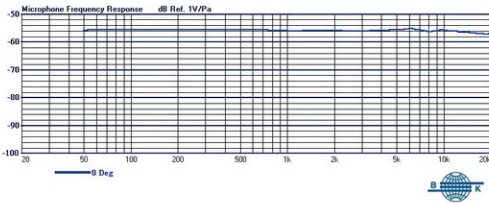
Model	ACT-32T	ACT-52T
Housing	Plastic	Metal Composite
Frequency Range	480~934 MHz (country dependent)	
Bandwidth	24 MHz	
Channel Set-Up	ACT Sync	
Oscillation Mode	PLL Synthesized	
LCD Display	LCD displays working band-code, group, channel, frequency, AF input gain, RF output power, mute & lock status, battery status and error codes.	
RF Output Power	10 / 50 mW switchable (country dependent)	
Spurious Emissions	<-55 dBc	
Max. Input Level	0 dBV	
Mute Connector	Optional MJ-70 remote mute switch	
Battery	2 AA alkaline	
Dimensions (W × H × D)	63 × 82 × 22 mm (2.5 × 3.2 × 0.9 ")	
Weight (excluding batteries)	Approx. 81 g (2.8 oz)	Approx. 98 g (3.5 oz)
Patents & Approvals	Patented. Telecom and safety regulations approved.	
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.	



MU-13 | MU-13d Single-Sided Earworn Microphone



Frequency Response



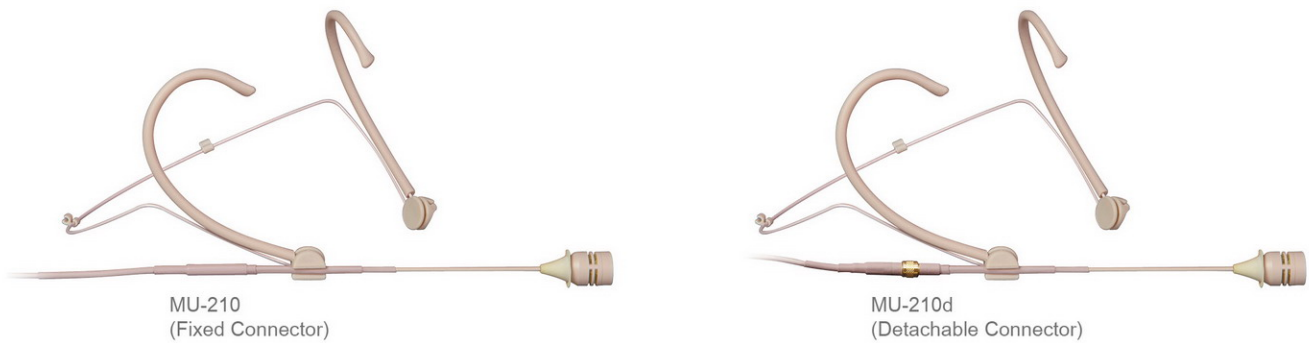
Features

- 1. Proprietary over-the-ear, shapeable frame design for an ultra secure, comfortable fit.
- 2. Supplied in three earworn sizes for ideal fit.
- 3. Fixed or detachable boom can be worn on left or right and detached for replacement or servicing.
- 4. Subminiature 3mm omni-directional condenser capsule.
- 5. Resistant to moisture, perspiration and salts.
- 6. Detachable cables with various types of plug are available.
- 7. Soft yet flexible thin boom can be bent 120 ° and boom holder can be height rotated for an ideal fit.
- 8. Ideal for speech applications.

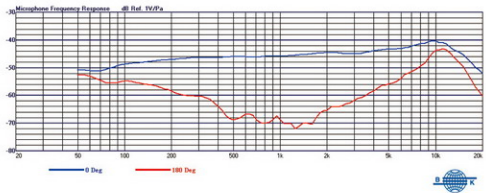
Specifications

Capsule Module	3 mm Ø omni-directional condenser microphone
Frequency Response	40 Hz~20 kHz
Sensitivity	-56 ± 3 dBV/Pa (0dB=1V/Pa)
Max. SPL	138 dB (1%THD typical )
Microphone Holder	Single-side
Plug	4-pin mini XLR (screw-lock)
Color	Beige
Cable Length	150 cm (59 ")
Weight	Approx. 16 g (0.56 oz)
Note	Refer to actual product in the event of product description discrepancy.

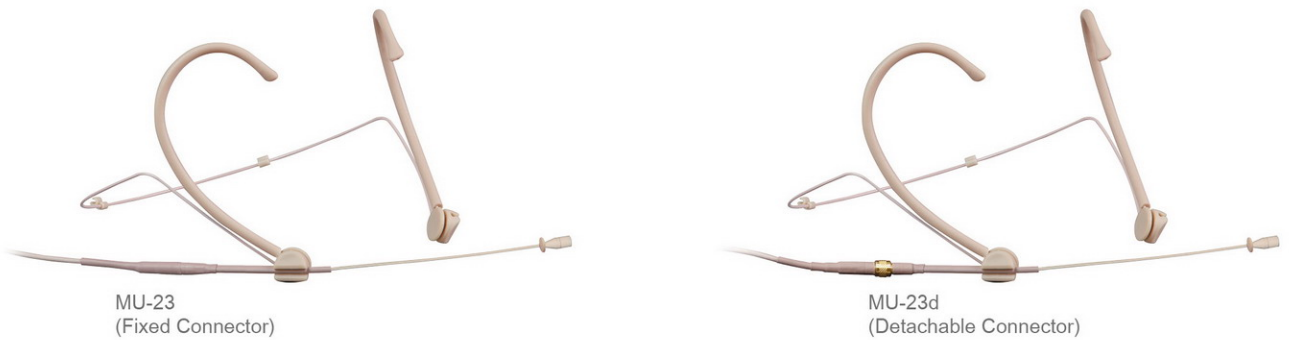
MU-210 | MU-210d Dual-Sided Headworn Microphone



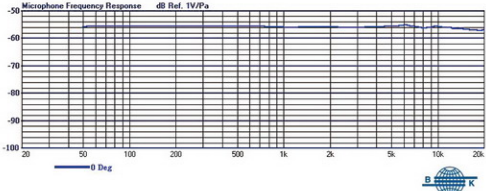
Frequency Response



MU-23 | MU-23d Dual-Sided Headworn Microphone



Frequency Response



Features

- 1. Compact ear-hook design for a secure, ultra comfortable fit.
- 2. Supplied in three ear-hook sizes for ideal fit.
- 3. Detachable boom can be worn on left or right & detached for replacement or servicing.
- 4. MU-210 / MU-210d features a 10mm uni-directional capsule.
- 5. MU-23 / MU-23d features a 3mm omni-directional capsule.
- 6. Resistant to moisture, perspiration and salts.
- 7. Detachable or fixed microphone boom options.
- 8. Soft yet flexible thin boom bents 120° and holder can be height rotated for an ideal fit.
- 9. Ideal for speech and vocal applications.

Specifications

Models	MU-210   MU-210d	MU-23   MU-23d
Capsule Module	10 mm Ø uni-directional condenser microphone	3 mm Ø omni-directional condenser microphone
Frequency Response	50 Hz~18 kHz	40 Hz~20 kHz
Sensitivity	-46 ± 3 dBV/Pa (0dB=1V/Pa)	-56 ± 3 dBV/Pa (0dB=1V/Pa)
Max. SPL	142 dB (1%THD typical)	138 dB (1%THD typical)
Microphone Holder	Can be installed right or left side.	
Plug	4-pin mini XLR (screw-lock)	
Color	Beige	
Cable Length	150 cm (59.1 ")	
Weight	Approx. 27 g (1.0 oz)	Approx. 22 g (0.8 oz)
Note	Refer to actual product in the event of product description discrepancy.	



# Accessories - Lavalier Microphones

## MU-53L | MU-53LS Uni-Directional Lavalier Microphones

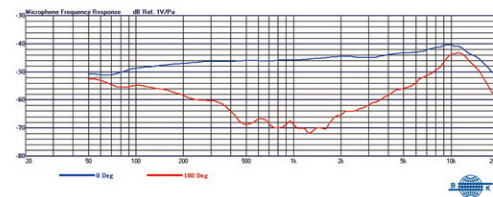


(Black)



(Beige)

### Frequency Response



## MU-55L | MU-55LS Omni-Directional Lavalier Microphones

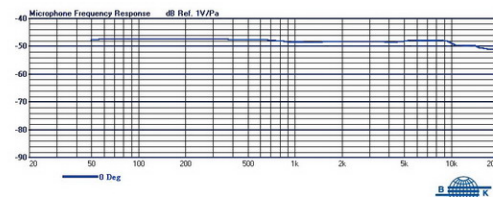


(Black)



(Beige)

### Frequency Response



### Features

- MU-53 features high dynamic range characteristic and sustains up to 142 dB SPL with 1% T.H.D.
- Miniature MU-55 is inconspicuous, lightweight and waterproof.
- Supplied with 4-pin mini XLR and fits all MIPRO bodypack transmitters.
- Featuring a smooth, warm, natural sound.
- Available in black or beige colors.
- Ideal for theater, houses of worship and educational applications.

### Specifications

Models	MU-53L   MU-53LS	MU-55L   MU-55LS
Capsule Module	10 mm Ø uni-directional condenser microphone	4.5 mm Ø omni-directional condenser microphone
Frequency Response	50 Hz~18 kHz	40 Hz~20 kHz
Sensitivity	-46 ± 3 dBV/Pa (0dB=1V/Pa)	-49 ± 3 dBV/Pa (0dB=1V/Pa)
Max. SPL	142 dB (1%THD typical)	135 dB (1%THD typical)
Plug	4-pin mini XLR (screw-lock)	
Color	Black or Beige	
Cable Length	150 cm (59 ")	
Weight	Approx. 19 g (0.7 oz)	Approx. 14 g (0.5 oz)
Note	Refer to actual product in the event of product description discrepancy.	

# Accessories - Rechargeable Batteries

## MB-80 12V Lithium Iron Phosphate Battery Case NEW



### Profile

MB-80 battery case is designed to hold four 65~70mm (length) lithium iron phosphate batteries. Four series-connected battery voltage coincides and are compatible with the voltage of 12V lead-acid batteries. Therefore, it can be a direct replacement battery for the existing MB-70 lead-acid battery inside the MIPRO MA-707, MA-708 & MA-808 portable wireless PA systems.

Currently, the lithium iron phosphate battery (LiFePO or LFP battery) is recognized as the leader for number of charge and discharge cycles of rechargeable battery. Generally, the average life of a rechargeable lead-acid or lithium battery is 500 discharge-recharge cycles. Higher quality LiFePO or LFP has up to 2,000 discharge-recharge cycles. It is considered as an enviromnetally friendly battery, superior cycle life, reduced failures and half the weight of an equivalent capacity lead-acid, thus, an ideal replacement and upgrade battery option. It is readily available by MIPRO and other rechargeable battery shops.

MB-80 has BMS smart battery management circuits and provides safe charging protection technology and extremely long life cycles.

### Features







- It holds four 32650/26650/32700 LFP model type battery.
- Same polarity direction insertion with screws and hooks for secured and easy installation.
- Standard output voltage 12.8V ; maximum continuous output current up to 8A.
- Safe shorts circuits technology prevents overcharging and safe operation.
- Each battery has overcharge and over discharge protection circuits ; overcharge protection voltage 3.9V ; over-discharge protection voltage 2.0V.
- Smart management circuits ensures balanced charging and discharge states.
- Weight: 240 grams / 8.5 ounces (case only, excluding 4 batteries).
- Dimensions: 69.5 × 89.5 × 101 m/m / (same dimensions as MB-70, 12V/4.5Ah).
- Flame retardant class V0.

### General LFP Battery Specifications & Capacity Characteristics

Type	26650	26650 (capacity)	32650	32650 (capacity)	32700 (capacity)
Capacity	2.3Ah	3.0Ah	4.0Ah	5.0Ah	5.0Ah
Dimensions	26(D) × 65(L) mm 1 (D) × 2.6 (L) in	26(D) × 65(L) mm 1 (D) × 2.6 (L) in	32(D) × 65(L) mm 1.3(D) × 2.6(L) in	32(D) × 65(L) mm 1.3(D) × 2.6(L) in	32(D) × 65(L) mm 1.3(D) × 2.6(L) in



## Replacement Rechargeable Batteries

<b>MB-10</b> 14.8V/2.6AH rechargeable Lithium battery for MA-100 & MA-303	<b>MB-25</b> 14.8V/2.6AH rechargeable Lithium battery for MA-101B & MA-202B	<b>MB-30</b> 12V/2.9AH rechargeable Sealed Lead-Acid battery for MA-705	<b>MB-35</b> 22.2V/4.5AH rechargeable Lithium battery for MA-505	<b>MB-70</b> 12V/4.5AH rechargeable Sealed Lead-Acid battery for MA-707, MA-708 & MA-808	<b>MB-80</b> <span style="background-color: orange; color: white; padding: 2px;">NEW</span> 12.8V rechargeable LFP battery case for MA-707, MA-708 & MA-808
					

## Stands

<b>MS-11</b> For MA-101ACT	<b>MS-30</b> For MA-100, MA-101B, MA-202B & MA-303	<b>MS-70</b> For MA-505, MA-705, MA-707, MA-708 & MA-808	<b>MS-90</b> For MA-303
			

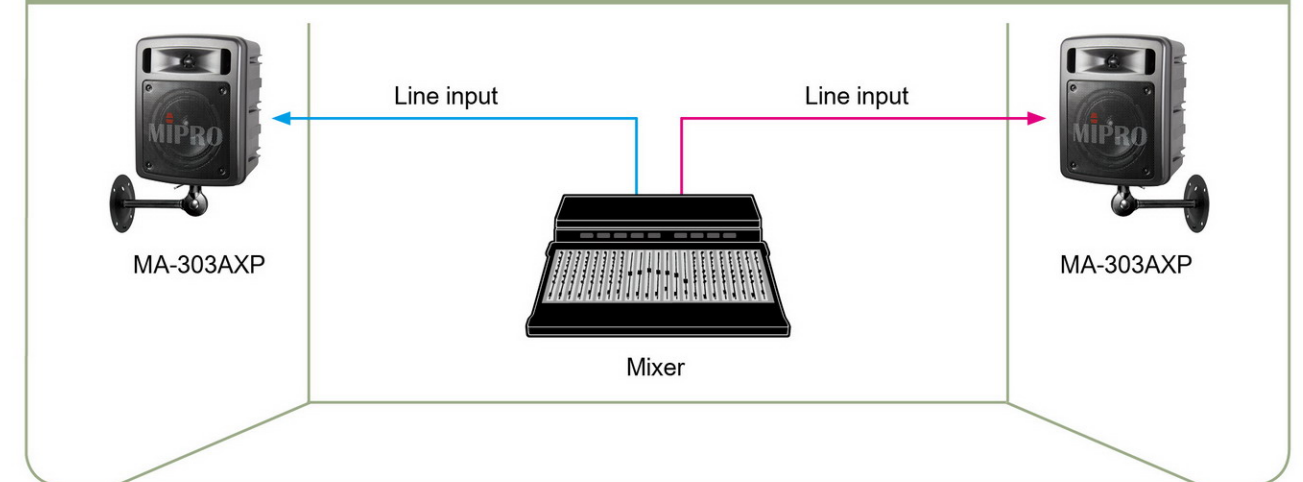
## Storage / Carry Bags

<b>SC-10</b> For MA-100 & MA-101B	<b>SC-20</b> For MA-202B	<b>SC-30</b> For MA-303	<b>SC-50</b> For MA-505 & MA-705	<b>SC-70</b> For MA-707	<b>SC-75</b> For MA-708	<b>SC-80</b> For MA-808
						

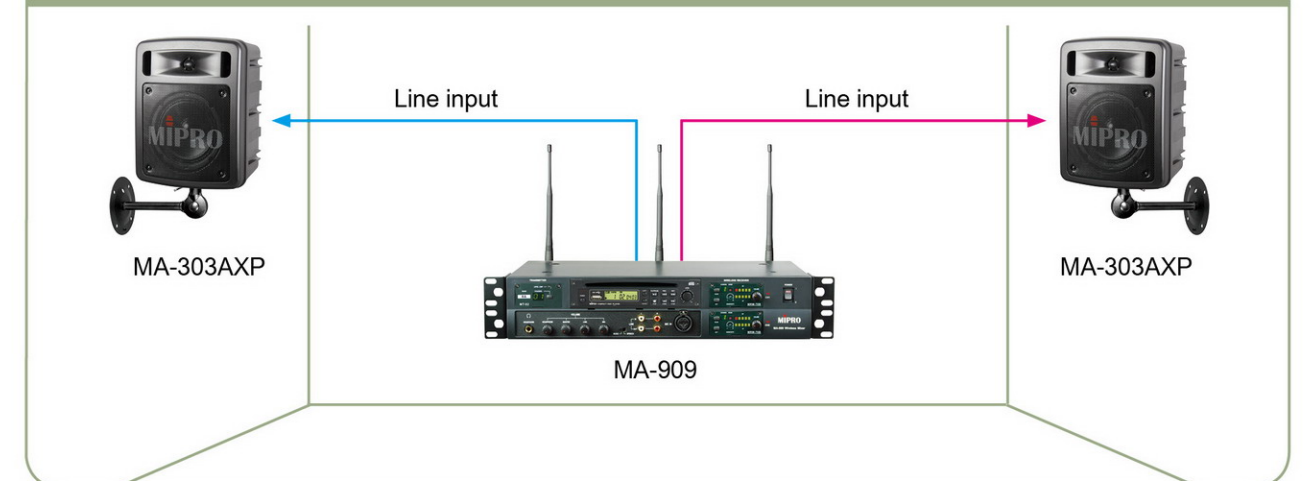
## Extension Speakers

<b>MA-101EXP</b> For MA-101ACT	<b>MA-303AXP</b> For MA-303 (active speaker)	<b>MA-705EXP</b> For MA-705 (10-meter cable included)	<b>MA-707EXP</b> For MA-707 (10-meter cable included)	<b>MA-708EXP</b> For MA-708 (10-meter cable included)	<b>MA-808EXP</b> For MA-808 (10-meter cable included)
					

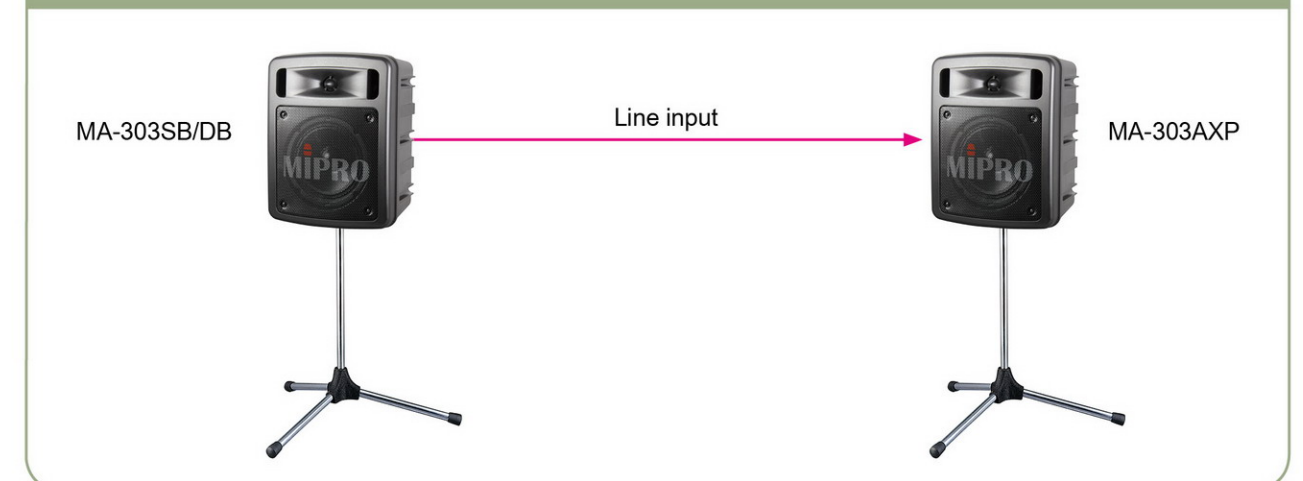
### MA-303AXP Active Speaker (Line input ) Application # 1- Mixer output to MA-303AXP line input



### MA-303AXP Active Speaker (Line input) Application # 2 - MA-909 line output to MA-303AXP line input



### MA-303AXP Active Speaker (Line input ) Application # 3 - MA-303 line output to MA-303AXP line input





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